

## OLD CALIFORNIA FISH HATCHERY

It Was the First on the Pacific Coast  
and One of the Oldest in the  
United States.

### DESCRIBING THE PROCESSES

It Has Done Much to Keep the  
Toothsome Chinook Salmon Upon  
the Dinner Bill of Fare.

Hidden away among the hills of old Shasta county, twenty-five miles from Redding and the railroad, stands the oldest government fish hatchery on the Pacific Coast. Clear, cold, sparkling, the McCloud river rushes along the narrow canyon it has worn into the country rock. Just where frowning Mount Persimone casts a shadow across the river at early morning, the waters form a pool, and here the government station is located. The spot is ideal, and earth offers the varied delights of climate and scenery to the men who come here to catch nature in the act and gently force the process.

The hatchery at Baird is not only the oldest on the Pacific Coast, but it is one of the oldest in the United States. In the year 1864 a member of the New Hampshire legislature foresaw the condition which the future must hold if some steps were not taken to offset the ravages made every year on the salmon fishing grounds of the country. This thoughtful lawmaker secured the passage of a measure providing for the experiment of taking salmon eggs and hatching them in a place of safety. How successful the experiment proved is well known. The first eggs were obtained from fish in Canadian streams. In 1864 United States Fish Commissioner Spencer F. Baird issued instructions to Professor Livingston Stone, A. M., to proceed northward through California in an endeavor to locate a spawning ground in this state. Professor Stone was told by two hunters that they had seen the Indians spearing salmon in large numbers at a point on the McCloud river just above its confluence with the Fall. Professor Stone found the place, erected a hatchery, and on September 18, 1872, made the first catch of salmon. Ever since that time the hatchery at Baird has been one of the most successful operated by the government.

Captain G. H. Lambson, who also has charge of the Battle Creek station, is superintendent of the hatchery at Baird. His house stands on the bluff above the river, and the American flag, flying from the staff, can be seen for miles. The old hatchery building, no longer large enough, was recently replaced by a more commodious structure. The new building is 100 feet long. Narrow troughs run half its length. The wire baskets containing the eggs are placed in these troughs, and a large water wheel, working a centrifugal pump, sends 500 gallons of water into the troughs per minute. In the flowing water the eggs are hatched.

The pool which forms the seining ground is 500 feet in length. A rack crossing the stream at the lower end of the pool is fitted with V-shaped inlets, extending ten feet into the pool. The small opening through which the fish pass is at the apex of the inlet. Having gone through into the pool, it is seldom that the salmon finds its way out again. At the upper end of the pool a restraining rack prevents the fish from going further up the stream. Once within the seining ground the fish are easily captured and handled.

The salmon go from salt water to the spawning ground in two seasons. The summer run continues from the middle of August to the latter part of September; the fall run from the middle of October until the latter part of December. The summer run fish are considered more valuable than the others. The Baird station is the only one on the coast where summer run fish are obtained and propagated. During the two runs of 1898, 4,000 female fish were taken. Nearly all these were of the famous Chinook variety. A few humpbacks set up the river, but these are rare. Only the Chinook eggs are taken.

Near the lower rack, where the net is landed, are two fish pens; one for the females and another for the "bucks." The pens are small in order that the fish may be lifted out with dip nets. Sometimes large numbers of fish are left in these pens for several days. Not enough food substance floats through these pens to sustain the fish, and the fact that they never suffer seems to prove that salmon do not eat on their trip from salt water to the spawning grounds.

The seining, under the supervision of Foreman Claude Wallich, is carefully and systematically done. Six or eight men engage in the work. The net is drawn by a winch operated by horse power. From thirty to forty salmon are taken at a haul. As the net touches the sand the men wade in and seize the fish. The male is distinguished from the female by the pointed head and hooked mouth. A hasty examination shows whether the fish is ripe, and, if so, it is carried to one of the pens; if not, it is thrown back. When a sufficient number of fish are in the pens

the interesting work of "stripping" begins. A female is first dipped from the pen. A man holds the fish firmly at the back of the head with the left hand while he passes the fingers of his right slowly down the under part of the body of the salmon. The eggs, closely resembling Zante currants in size and color, pop out into a pan held by an assistant. The female cannot survive the enforced spawning, and is thrown upon a raft to be humanely dispatched by an Indian boy with a club. The same process is then quickly gone through with a "buck," which has been held in readiness, and the eggs are covered with the fertilizing milt. Two minutes are allowed for fertilizing to take place. In that time a single fecundating germ passes into the micropyle of each egg. Then the eggs are rinsed through several waters. The application of water makes them adhesive. In half an hour, eggs are then ready to be taken to the hatchery. In the center of each egg a tiny white spot, the life-saving germ, may be plainly seen.

The stripping process is not fatal to the male, and it is put back into the pen to be used again before being liberated. Though the enforced spawning costs the female its life, the destruction is no greater than would naturally occur, for the theory is held that the female is exhausted when it has spawned in the stream, and it seldom, if ever, gets back to salt water alive. The dead female fish are given to the Indians who have their camp near at hand. They cure the fish in the sunshine, and thus obtain their food supply for the winter.

While the stripping is going on Foreman Wallich, notebook in hand, records the number of "ripe" fish and the number of eggs taken. The eggs are measured by dipperfuls, one dipperful is counted and the total easily approximated. From 4,000 to 5,000 eggs are obtained from one female. Toward the end of the fall run this number is materially decreased. An average of 70 fish are stripped in one day.

The hatching of the eggs is attended with greatest care. In the big building Foreman Wallich, Assistant Foreman S. S. Bass, F. M. Chamberlain of the scientific department, and J. S. Bowers and M. L. Dunning are busily engaged. They are assisted by a number of Indian women, whose delicacy of touch makes them valuable aids. Each network basket in the troughs of running water contains about 25,000 eggs. The eggs are gently stirred about each day. With small lifters, like bon-bon tongs, the dead eggs and those covered with fungus are removed. A salmon egg will hatch in forty days, more or less, depending upon the temperature. In very cold weather a much longer time is required. In ten days the outline of the fish may be perceived by holding the egg to the light, and in fifteen days it may be plainly seen. Most of the eggs taken at Baird are shipped, just prior to hatching, to other stations better equipped for handling the young fish, and eggs have even been successfully shipped to foreign countries. Some of the young fish are put back into the McCloud river upon the theory that a fish usually returns to its parent stream to spawn.

The McCloud river is famous among sportsmen as a trout stream. The magnificent rainbow trout abound in its waters. Several Eastern streams have been stocked with rainbow trout hatched from eggs taken in the McCloud, and the matter of adding a trout hatchery to the Baird station is now being considered.

During the year 1899 12,000,000 salmon eggs ready to hatch were shipped from Baird. The station is in the hands of scientists who understand their business and delight in it, and the result of their labors has been a large supply of young fish, which, planted in streams where most needed, has done much to keep the toothsome Chinook salmon upon the American bill of fare.

### FUNSTON'S SKETCH OF AGUINALDO.

Atkinson's inspired patriot, Aguinaldo, becomes a broken idol in the ruthless hand of General Funston. "To use slang," says the general, "he is a great 'con' worker. I know of no better term."

His partners in the game are the members of the Filipino Junta at Hong Kong. They communicate fairy tales of insurgent prowess to the outside world and keep the chief supplied with many inventions on the drift of public sentiment in this country. These he uses with effect among the natives, who are now informed "that a majority of all the states have pronounced against the policy of the administration and that they have only to wait until the next general election, when the United States will grant them their independence."

When the inventive faculty of the Hong Kong partners becomes enervated from overwork Aguinaldo furnishes embellishments of his own. "He circulates and corroborates all that the Junta sends out, and adds to it all that his cunning imagination can devise." By this means he deludes the insurgents with false hopes. They assume, in spite of their repeated defeats, that the chances are actually in their favor, when, if they knew the truth, they would give up the struggle.

A patriot who is always miles to the rear of his army, and whose time and skill are devoted exclusively to the fabrication of lies, is hardly a fit object for sympathy and admiration. Therefore his American advocates turn to invent themselves and give him a purely imaginary character. We do not say that they are all willful pretvaricators. Many of them are simply ignorant. They know nothing of the man,

but having pictured him as a leader in the cause of liberty, they proceed to clothe him with every noble attribute. Their Aguinaldo is a mere abstraction idealized.

On the other hand Funston, who is fresh from the Philippines, deals with the concrete and the real. He speaks to the facts out of his own personal experience, and he has more weight as a witness than all the members of the anti-imperialist league put together. Seen, then, in his true colors the champion of freedom in the Philippines is but a self-seeking schemer, who is practicing his worst frauds upon his own followers. As his cause is sustained by falsehood alone, it is reasonable to expect its sudden collapse when the insurgents realize how badly they have been deceived.

### COST OF INDIAN WARS.

The Indian wars of the United States from the year 1818 to the year 1891 have cost in money expended by the Federal Treasury over \$100,000,000 and for every Indian warrior killed in these various conflicts fifteen American soldiers have lost their lives. The war with the Cheyennes in 1865 alone cost more than \$40,000,000 and the lives of hundreds of soldiers, though the hostiles lost but twenty of their braves.

### THE FREDERICKSBURG.

All Astorians who visit in Portland and desire to spend a pleasant evening out should go to the Fredericksburg, at 7th and Alder streets. Here is the program for the week commencing Oct. 9th.

**PART FIRST.**  
1—March—"The Enquirer Club."  
2—Waltz—"Flower of St. Petersburg."

As Popular as Ever  
3—WATERMAN SISTERS.  
4—March—"Soldier's Life."—Keller Bella.  
5—"Ma Rag Time Baby."—F. S. Stone.  
6—GONZALEZ "WALDO"—Acrobatic marvels.  
7—Schottische—"Sambo's Wedding Day"—Benedict.  
8—Overture—"Niagara."—Moses.  
9—GEORGE T. MOREY—"The Banjoist Wizard."  
10—Overture.  
11—Waltz—"Simplicity"—J. Strauss.  
12—STANLEY & SCANLON—Archie and Mammie.

**PART SECOND.**  
13—WATERMAN SISTERS.  
14—WALDO & ELLIOTT—In their Comedy Sketch.  
15—Overture.  
16—GEORGE T. MOREY—"The Banjoist Wizard."  
17—Overture.  
18—WATERMAN SISTERS.  
19—ARCHIE STANLEY.  
20—MISS ROSE ELLIOTT.  
21—ARCHIE STANLEY.  
22—GEORGE T. MOREY—"The Banjoist Wizard."

Hidden Weakness. Just as we sometimes see a tree or pole for nearly three years. Had apparently strong and sound come rushing down with a sudden crash because of some undetected process of decay, so no matter how good an appearance a woman may present, if she is subject to any hidden weakness, gradually sapping away and undermining her vitality, some day her entire constitution will give way and leave her a prostrate physical wreck. The average doctor gives a little something for the headache and a little something else for the backache and still another thing for the nerves and so on, never once reaching the hidden weakness in the distinctly feminine organism.

The vast experience and special practice of Dr. R. V. Pierce, chief consulting physician of the Invalids' Hotel and Surgical Institute, of Buffalo, N. Y., in treating women's diseases, enables him to understand and cope successfully with these particular ailments. Any woman may feel the utmost confidence in consulting him by mail. She will receive, free of cost, sound professional advice whereby her health may, in ninety-nine cases out of a hundred, be promptly and permanently restored. All correspondence is held to be strictly confidential.

A lady living in Cohasset Co., Ohio, Mrs. W. T. Stanton, of Bluefield, writes: "I had female weakness very bad for nearly three years. Had dragging down pains in and above my hips and such dreadful pains in the back and top of my head (just as though someone was hitting me by the hair). Had no ambition, would try to work a few days then would have to lie in bed for a long time. No voice as express the suffering I endured. I had much pain at monthly periods. I doctored most of the time with as good a physician as there is in the state but had no ease until when I was quiet and off my feet and then I had more or less pain in my head. When I began taking Dr. Pierce's medicine I weighed 120 pounds and was very pale and weak. I took twelve bottles of his 'Favorite Prescription' and seven of the Golden Medical Discovery. Now I feel like a different person. Have no pain in my head, can do all the work for myself, husband and our three children in fish. I feel it is through God's mercy and your wonderful medicines that I am cured."

What maintains one vice would bring up two children. Remember, many a little makes a mickle; and further, beware of little expenses. A small leak will sink a great ship.

### GREATEST OF HUMAN BLESSINGS

A skin without blemish and a body nourished with pure blood. Such is the happy condition produced by CUTICURA SOAP and CUTICURA Ointment, externally, and CUTICURA RESOLVENT, internally, in the severest cases of torturing, disfiguring, itching, burning, and scaly humors.

Throw away idle hopes; come to thine own aid, if thou carest at all for thyself, while it is in thy power. "It did me more good than anything I ever used. My dyspepsia was months' standing; after eating it was terrible. Now I am well," writes S. B. Keener, Holiston, Kan., of Kodol Dyspepsia Cure. It digests what you eat. Sold by Chas. Rogers, druggist.

Riches are for spending, and spending for honor and good actions. "When our boys were almost dead from whooping cough, our doctor gave One Minute Cough Cure. They recovered rapidly," writes P. B. Bailes, Arkley, Pa. It cures coughs, colds, grippe, and all throat troubles. Sold by Chas. Rogers, druggist.

### BLUE ROSES GROWING WILD.

Referring to the recent report that a Russian florist had succeeded in raising blue roses, a Slavonian gardener declares that blue roses grow wild in Serbia.

### NEW BUSINESS LOCALS

Do you want a good meal when you visit Portland? If so, go to the Portland restaurant, 305 Washington street.

E. House's Cafe at 123 Third street, Portland, is regarded by many people as the leading restaurant in the Pacific Northwest.

A good meal with meats rich in flavor and you will enjoy with a relish, is just what you get at the Creamerie restaurant, 271 Washington street, near Third. Try it when you go to Portland.

If you are going up to Portland and miss going to the Creamerie Restaurant, 271 Washington St., you may consider that your trip will not be a success, as others will tell you, who do not miss it.

Holmes' English and Business College at No. 414 Yamhill street, Portland, is prepared to accommodate a large number of pupils this year. Already the classes are well crowded, a fact that indicates the excellent character of the institution.

Why is Watson's restaurant in Portland patronized by thousands of people daily? Simply because it is the largest, finest and best equipped eating resort on the Pacific coast. Watson's restaurant has sixty-eight white employees on its payroll. Remember the location, 109-11 Fourth street.

The Pernin method of shorthand is being taught by Mr. H. W. Behnke in the Oregonian building at Portland. The Pernin system is not only extremely legible after being written, but is exceptionally rapid. It is said that students under Mr. Behnke's direction attain success in one-half the time essential with other Graham, Munson or Pitman methods. This school is open day and night.

A tailoring establishment of some pretensions, located on Washington street, Portland, claims to have made 47 suits for dressy Astorians during the past six months. This statement is denied by the firm of Povey & Birchall, at 327 Washington street, near the Imperial hotel, who are patronized by the great majority of outside customers. Povey & Birchall make the swell suits for most of the stylish Portlanders, and feel that they are not excelled by any Portland firm for out of town patronage.

Quit yourselves like men.

President King, Farmer's Bank, Brooklyn, Mich., has used DeWitt's Little Early Risers in his family for years. Says they are the best. These famous little pills cure constipation, all biliousness and all liver and bowel troubles. Sold by Chas. Rogers.

Fools make feasts, but wise men eat them.

For many years science has studied liquors. Result the whole world uses whiskey. It has proven the best stimulant and does not injure nerves and tissues like coca wines and other drug compounds. And Harper Whiskey is the ideal whiskey. Sold by Foad & Stokes Co., Astoria, Oregon.

Cast all your care to God; that anchor holds.

Joseph Stockford, Hodgdon, Me., healed a sore running for seventeen years and cured his piles of long standing by using DeWitt's Witch Hazel Salve. It cures all skin diseases. For sale by Charles Rogers.

Order is the sanity of the mind, the health of the body, the peace of the city, the security of the state.

Millions of dollars is the value placed by Mrs. Mary Bird, Harrisburg, Pa., on the life of her child, which she saved from crop by the use of One Minute Cough Cure. It cures all coughs, colds and throat and lung troubles. For sale by Charles Rogers.

It might as well be expected for a weak man to bear a burden as a fool to bear prosperity.

Eat plenty, Kodol Dyspepsia Cure will digest what you eat. It cures all forms of dyspepsia and stomach troubles. E. R. Gamble, Vernon, Tex., says, "It relieved me from the start and cured me. It is now my ever lasting friend." Sold by Chas. Rogers.

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"I wish to express my thanks to the manufacturers of Chamberlain's Colic, Cholera and Diarrhoea Remedy, for having put on the market such a wonderful medicine," says W. W. Massingill, of Beaumont, Texas. There are thousands of mothers whose children have been saved from attacks of dysentery and cholera infantum who must also feel thankful. It is for sale by Chas. Rogers.

"If you scour the world you will never find a remedy equal to One Minute Cough Cure," says Editor Packler, of the Micanopy, Fla. "Hustler." It cured his family of LaGrippe and saved thousands from pneumonia, bronchitis, croup and all throat and lung troubles. Sold by Chas. Rogers.

Hope nothing from luck and the probability is, that you will be so prepared, forwarned and forewarned, that all shallow observers will call you lucky.

The "Plover Boy Preacher," Rev. J. Kirkman, Belle River, Ill., says, "After suffering from bronchial or lung trouble for ten years, I was cured by One Minute Cough Cure. It is all that is claimed and more." It cures coughs, colds, grippe and all throat and lung troubles. Sold by Chas. Rogers, druggist.

Our reward is in the race we run, not in the prize.

On the 10th of December, 1897, Rev. S. A. Donahoe, pastor of M. E. Church, South, Pl. Pleasant, W. Va., contracted a severe cold, which was attended from the beginning by violent coughing. He says: "After resorting to a number of so-called 'specifics,' usually kept in the house, to no purpose, I purchased a bottle of Chamberlain's Cough Remedy, which acted like a charm. I most cheerfully recommend it to the public." For sale by Chas. Rogers.

All wickedness is weakness.

During the winter of 1897 Mr. James Reed, one of the leading citizens and merchants of Clay, Clay Co., W. Va., struck his leg against a cake of ice in such a manner as to bruise it severely. It became very much swollen and pained him so badly that he could not walk without the aid of crutches. He was treated by physicians, also used several kinds of liniment and two and a half gallons of whiskey in bathing it, but nothing gave any relief until he began using Chamberlain's Pain Balm. This brought almost a complete cure in a week's time and he believes that had he not used this remedy his leg would have had to be amputated. Pain Balm is unequalled for sprains, bruises and rheumatism. For sale by Chas. Rogers.

It is an uncontroverted truth, that no man ever made an ill figure who understood his own talents, nor a good one who mistook them.

HOW'S THIS?

We offer One Hundred Dollars Reward for any case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHERRY & CO., Toledo, O. We, the undersigned, have known F. J. Cherry for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

WEST & TRAX. Wholesale Druggists, Toledo, O. W. ALDING, KINMAN & MARVIN. Wholesale Druggists, Toledo, O. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. The testimonials sent free. Price, 75c per bottle. Sold by all druggists. Hall's Family Pills are the best.

### BUSINESS POINTERS.

The O. B. F. Fresh cracked crabs at the National Cafe.

Sweet cream in any amount at the Parlor.

Burbank potatoes, \$1 a sack, at Pat's Market.

Jeff's is "the only" restaurant. White cooks.

Astoria to Portland only 50 cents via O. R. & N.

Home made chocolates, 30 cents a pound, at the Parlor.

Best 15-cent meal, Rising Sun restaurant, 612 Commercial street.

We guarantee our ice cream to be made of pure cream, The Parlor.

Cold lunch, pickled pigs feet, oysters, sheeps tongue, etc., at the National Cafe.

Our ice cream is warranted to be made of pure cream. The Parlor, next to John Hahn's.

Best California wine 25 cents per gallon. Alex. Gilbert, sole agent for Astoria. Telephone 31.

Do you know Snodgrass makes Stamp Photos? Call and see them they are all the go.

Cream Pure Rye. America's finest whiskey. The only pure goods, guaranteed rich and mellow. John L. Carlson, sole agent.

For rent—Furnished rooms with first-class table board. Apply Mrs. E. C. Holden's corner Ninth and Duane Streets.

Boquet De Cuba and Key West Gums are the finest five cent cigars that ever came to this market. Henry Roe, opposite brewery.

Beginners and advanced pupils can have thorough instructions on the violin and piano by applying to J. H. Amme, a graduate of Dresden and Leipzig conservatory. Hotel Tigh.

Kelley's transfer wagons deliver box wood to any part of the city on short notice. All orders left at Zapf's furniture store, 630 Commercial street, will receive prompt attention. Telephone 214.

Go to the Columbia Electric & Repair Company for all kinds of new and repair work, from a cambrio needle to a bicycle, boiler or engine. Quick work and satisfaction guaranteed. Logging machinery of all kinds a specialty. Shop opposite Ross, Higgins & Co.

The concert hall opened by Charlie Wise at No. 339 Astor street, is the one and only popular resort of its kind in that vicinity. Mr. Wise is doing something new among concert halls. He is not only selling a class of pure liquor, but is giving his place a management which measures gentlemanly attention and treatment to his patrons. The good music and the crowd will be found at Charlie Wise's place.

### Astoria Public Library

READING ROOM FREE TO ALL.

Open every day from 10 o'clock to 5:30 and 6:30 to 8:30 p. m. Subscription rates \$5 per annum. West Cor. Eleventh and Duane Streets.

TEMPLE LODGE NO. 7, A. F. & A. M.—Regular communications held on the first and third Tuesday evening of each month. J. N. GRIFFIN, W. M.; E. C. HOLDEN, Secretary.

## Kodol Dyspepsia Cure.

Digests what you eat. Artificially digests the food and aids Nature in strengthening and reconstructing the exhausted digestive organs. It is the latest discovered digestive tonic. No other remedy can approach it in efficiency. It instantly relieves and permanently cures Dyspepsia, Indigestion, Heartburn, Flatulence, Sour Stomach, Nausea, Sick Headache, Gastralgia, Cramps, and all other results of imperfect digestion. Prepared by E. C. DeWitt & Co., Chicago. For sale by CHARLES ROGERS.

## NERVITA PILLS

Restore Vitality Lost Vigor and Manhood. Cure Impotency, Night Emissions and wasting diseases, all effects of self-abuse, or excess and indiscretion. A nerve tonic and blood builder. Brings the pink glow to pale cheeks and restores the fire of youth. By mail 50c per box, 6 boxes for \$2.50; with a written guarantee to cure or refund the money. Send for circular. Address, NERVITA MEDICAL CO., Clinton & Jackson Sts., CHICAGO, ILL. For sale by Charles Rogers, Druggist, Astoria, Oregon.

## A Free Trip to Paris!

Reliable persons of a mechanical or inventive mind desiring a trip to the Paris Exposition, with good money and expenses paid, should write THE PATENT RECORD, Baltimore, Md.

## STANTAL-MIDY

These tiny Capsules are superior to Balsam of Capella. Cures or injections and OURE in 48 HOURS the same diseases without inconvenience. Sold by all Druggists.



Those who have delayed buying.

### Summer Footwear

are fortunate. They can save at least a third on the usual cost of high grade shoes. We are closing out all of our summer tan shoes at a great reduction. We have them for men, women and children, which should bring everyone to the store. They are new goods which have overstay their time. Consider these figures.

Petersen & Brown.

### H. F. Prael Transfer Co.

Telephone 22.

### DRAWING AND EXPRESSING

All Goods Shipped to Our Care Will Receive Special Attention.

No. 33 Duane St. Astoria, Ore. W. J. COOK, Mgr. Res. Tel. 115.

## LUXURIOUS TRAVEL

THE "North-Western Limited" trains, electric lighted throughout, both inside and out, and steam heated, are, without exception, the finest trains in the world. They embody the latest, newest and best ideas for comfort, convenience and luxury ever offered the traveling public, and altogether are the most complete and splendid production of the car builders' art.

These Splendid Trains Connect with

The Great Northern

The Northern Pacific and

The Canadian Pacific

AT ST. PAUL FOR

CHICAGO and the EAST.

No extra charge for these superior accommodations and all classes of tickets are available for passage on the famous "North-western Limited." All trains on this line are protected by the Interlocking Block system. W. H. MEAD, Gen'l Agent, Portland, Ore. F. C. SAVAAGE, T. A.

## Burlington Route

## You Don't Change Cars

If you go east via Billings and the Burlington route. The Burlington route runs through tourist sleepers twice a week, Seattle to Kansas City—Get on at any point along the main line of the Northern Pacific in Washington or Montana—get off at Kansas City. Standard sleepers, every day in the week, Butte to St. Louis via Lincoln, Omaha and St. Joseph. A. C. SHELDON, General Passenger Agent, Portland, Oregon.

## Oregon Short Line Railroad.

THE DIRECT ROUTE TO

Montana, Utah, Colorado

and all Eastern Points.

Given choice of two favorite routes, via the Union Pacific Fast Mail Line, or the Rio Grande Scenic Line.

LOOK AT THE TIME

14 Days to Salt Lake  
24 Days to Denver  
34 Days to Chicago  
44 Days to New York.

Free reclining chairs, upholstered tourist sleeping cars, and Pullman palace sleepers, operated on all trains.

For further information, apply to G. W. LOUNSBERRY, Agent, O. R. & N., Astoria, Oregon.

C. O. TERRY, W. E. COOMAN, Trav. Pass Agt., Gen. Agent, 134 Third St., Portland, Or.

## WHITE COLLAR LINE

Columbia River